

MIRAI MR17-08 Leg2 Sea-surface Photosynthetically Active Radiation (PAR)

Last Modified: 2019-05-15

[ReadMe](#) [Observation Data](#) [Data Format](#)

Cruise ID: [MR17-08 Leg2](#)

Sea-surface Photosynthetically Active Radiation (PAR) : Raw

Data Policy: [JAMSTEC](#)

Observation Items: PAR

Science Keywords:

OCEANS > OCEAN OPTICS > PHOTOSYNTHETICALLY ACTIVE RADIATION

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR17-08_leg1-2_all.pdf

For Using Data

Principal Investigator

Data Management Office

Use Constraints

See [Terms and Conditions](#) about constrain of use.

Data Citation

See [Terms and Conditions](#) about data citation.

Period (UTC)

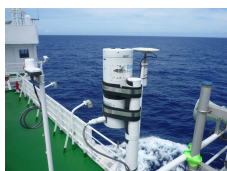
2018-01-12 00:30 – 2018-01-17 23:50

2018-01-06 02:40 – 2018-01-11 07:31

Instrument

Instrument:

Surface Photosynthetically available radiation (PAR) (MR15-01~)



Overview

Photosynthetically available radiation (PAR) in the air was acquired by the radiometer PUV-510B, which was set up on the deck of the anti-rolling system. In addition, Ultraviolet irradiance (4 wavelengths) are also collected since May 2015 (after MR15-01 cruise).

Specifications

Manufacturer: Biospherical Instruments Inc.
Type: PUV-510B
Logging rate: 6 [second]
Location: Starboard side of the deck on the anti-rolling system (18m from the sea surface)

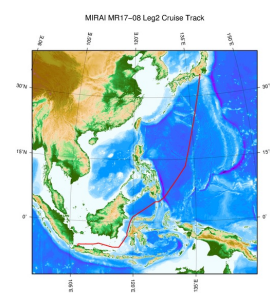
[PAR]
Measurement wavelength: 400 - 700 [nm]
[Ultraviolet irradiance]
Measurement wavelength: 305, 320, 340, 380 [nm]

Note

File naming rule for PAR_YYYYMMDD.txt.

PAR_ : Fixed as 'PAR_'
YYYY : Recording start Year (UTC)
MM : Recording start month (UTC)
DD : Recording start day (UTC)

Related Information



[Enlarge Image](#)

MR17-08 Leg2

Ship Name: MIRAI

Period: 2018-01-06 - 2018-01-17

Chief Scientist: Satoru Yokoi (JAMSTEC)

Project Name: [Tropical Ocean Climate Study (TOCS)]

Proposal ▶ Study on air-sea interaction over upwelling region in the eastern Indian Ocean

Title:

Update History

2019-05-15 An observation data was registerd.

2018-05-31

An observation data was registerd.

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Cruise ID:

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Dive ID:

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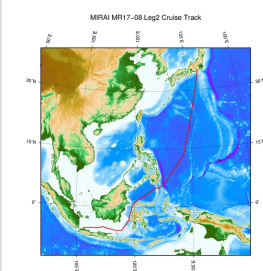
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Sea-surface PAR (MR15-01-)

Comma Separated Value

Column No.	Content	Remarks
1	DATE	Year, Month Day [YYYYMMDD]
2	TIME	Hour, Minute, Second [hhmmss]
3	PAR	PAR (Variable length, Floating-point, Exponential Form) [microEinsteins/cm ² /sec]
4	UV(305nm)	Ultraviolet Irradiance;305nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
5	UV(320nm)	Ultraviolet Irradiance;320nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
6	UV(340nm)	Ultraviolet Irradiance;340nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]
7	UV(380nm)	Ultraviolet Irradiance;380nm (Variable length, Floating-point, Exponential Form) [microW/cm ² /nm]

Related Information



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MR17-08 Leg2

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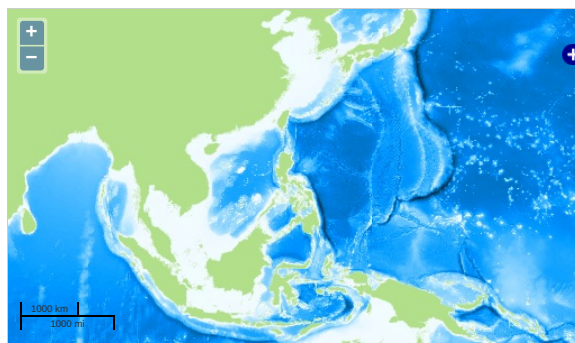
Data Policy: [JAMSTEC](#)

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Science Keywords:

OCEANS > OCEAN OPTICS > PHOTOSYNTHETICALLY ACTIVE RADIATION

Observation Map



... Observation Line ... Navigation ... Observation, Dive Point, Hole

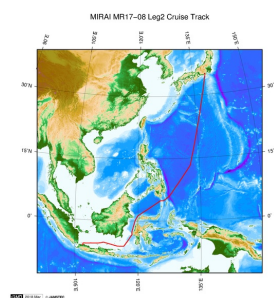
Data List

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File names

- ☐ PAR_20180106.txt
- ☐ PAR_20180107.txt
- ☐ PAR_20180108.txt
- ☐ PAR_20180109.txt
- ☐ PAR_20180110.txt
- ☐ PAR_20180111.txt
- ☐ PAR_20180112.txt
- ☐ PAR_20180113.txt
- ☐ PAR_20180114.txt
- ☐ PAR_20180115.txt
- ☐ PAR_20180116.txt
- ☐ PAR_20180117.txt

Related Information



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